



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010548
CERTIFICATION DATE: December 4, 2013
DATE RECERTIFICATION DUE: June 2, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

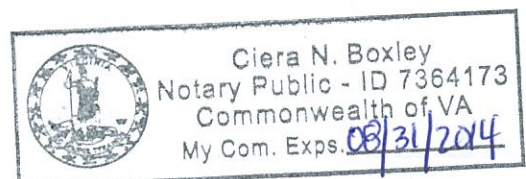
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 18th day of
December, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



sd

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 12/4/2013

MMB

WSH

Instrument Serial Number: 010548

As of 04-Dec-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
04-Dec-13	04-Dec-13	MMB (26417)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
17-Jun-13	17-Jun-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
07-Jan-13	07-Jan-13	TLN (25387)	CERTIFIED.
16-Jul-12	16-Jul-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
31-Jan-12	31-Jan-12	DBH (21250)	CERTIFIED
16-Aug-11	16-Aug-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
08-Mar-11	08-Mar-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
20-Sep-10	20-Sep-10	DBH (21250)	CERTIFIED
12-Jul-10	05-Apr-10	DBH (21250)	REPLACED DRY GAS STANDARD
05-Apr-10	05-Apr-10	DBH (21250)	CERTIFIED
20-Oct-09	20-Oct-09	DBH (21250)	CERTIFIED.
13-May-09	13-May-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
12-Jan-09	12-Jan-09	DBH (21250)	CALIBRATED AND CERTIFIED.
24-Dec-08	24-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II

Quality Assurance Worksheet

m m B
WJH

Instrument Serial Number 010548 Worksheet Start Date 12/4/2013

Location King and Queen SO

Address 242 Allen's Circle Suite A King & Queen VA 23085

DFS Technician Michelle Billeter License No. 26417

☐ Laboratory ☒ On-Site

Site Specifications

- | Site Specifications | Yes | No |
|--|-------------------------------------|--------------------------|
| 1 Secured Environment:
Location must not be accessible to the general public. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2 Environment free from contaminants | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3 Dedicated telephone line:
The phone line should be used solely by the instrument. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4 Adequate Ventilation:
Enough space must be provided for the instrument and the printer to allow for adequate ventilation. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5 Stable temperature controls:
The instrument should not be exposed to direct sources of temperature variation. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6 115VAC power source:
Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7 Room Condition:
The site should be free of excessive moisture, heat and dust. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

	Old serial no.	New serial no.	Supplies
E-Seek			Mouthpieces 50
Keyboard			Certificates of Analysis 25
Printer			Operator Worksheet
UPS			Other:

Maintenance (if any)

Firmware/Software Upgrade.

Comments (if any)

Instrument Serial Number	010548	Certification Date	12/4/2013
Instrument Barometer (mm HG)	760	Reference Barometer (mm HG)	764
Reference Barometer(RB)Serial #	009111	RB Calibration Due	5/23/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.250
0.250	0.250	0.242	0.257	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.249
0.001		0.249	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.150	0.145	0.154	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.080
0.001		0.080	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated ☒ Certified ☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.) AG320502-26

☒ Measurement Assurance Check ☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician: Michelle Ballin Date: 12/4/13

Issuing Analyst: Sheela Kennedy Date: 12/10/13

Intox EC/IR-II: Certification

MMB

Department of Forensic Science

Serial Number: 010548 Test Number: 288
Test Date: 12/04/2013 Test Time: 09:42 EST

MMB

Technician Initials: MMB

Dry Gas Target: 0.100

Lot Number: AG204704-16 Exp Date: 02/16/2014

Tank Pressure: 237 psi Barometric Pressure: 760 mmHg

Test	g/210L	Time
DIAG	Pass	09:42
BLK	0.000	09:42
CHK	0.100	09:43
BLK	0.000	09:44
CHK	0.100	09:45
BLK	0.000	09:46
CHK	0.100	09:46
BLK	0.000	09:48

Success

Standard Value (at sea level): 0.100 g/210L

Certification Status: Success

Performed one point certification
prior to firmware/software
upgrade due to warning on
instrument display.

MMB 120413

mmb
psh




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT , TEST ,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY BILLETER, MICHELLE, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 26417	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/04/2013
TEST EQUIPMENT NUMBER 010548		

RESULTS: TIME SAMPLE TAKEN **09:56 EST**
SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 04 Dec 2013 at 10:20

TLN
mmB
NOK

Test Results

Instrument Serial Number 010548

Test # 000289 Subject Test

Test Location 1 Department of
Test Date 04 Dec 2013

Test Location 2 Forensic Science
Test Time 09:50
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name BILLETER
Agency DFS Central Lab

Operator's First Name MICHELLE

Operator's Middle Initial M

Card Serial Number 126417

License Number 26417

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Dec 2013 End Time 09:57

Result Time 09:56

Result Date 04 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 09:50

Data Type BLK

Sample Value 0.000

Sample Time 09:51

Data Type CHK

Sample Value 0.100

Sample Time 09:52

Data Type BLK

Sample Value 0.000

Sample Time 09:53

Data Type SUBJ

Sample Value 0.000

Sample Time 09:54

Data Type BLK

Sample Value 0.000

Sample Time 09:55

Data Type SUBJ

Sample Value 0.000

Sample Time 09:56

Data Type BLK

Sample Value 0.000

Sample Time 09:57

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG204704-16

Standard Expiration Date 02/16/2014

Tank Pressure 232

Barometric Pressure 760 mmHg

Blow Sample Number 1 Blow Duration 4.03 sec

Blow Volume 1794 cc End-of-Blow Time 09:54

Blow Sample Number 2 Blow Duration 3.95 sec

Blow Volume 1733 cc End-of-Blow Time 09:56

Tamper Evident Stamp 57bce844

Test Status Code 0

Test Status Success

mmB
MSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010548 Test Number: 290

Test Date: 12/04/2013 Test Time: 09:58 EST

Dry Gas Target: 0.100

Lot Number: AG204704-16 Exp Date: 02/16/2014

Tank Pressure: 227 psi Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:59
CHK	0.100	10:00
BLK	0.000	10:01
CHK	0.100	10:02
BLK	0.000	10:03
CHK	0.099	10:04

Test Status: *Success*

Calibration CRC: 7144F69E

mmB

NSK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010548 Test Number: 291

Test Date: 12/04/2013 Test Time: 10:08 EST

Dry Gas Target: 0.300

Lot Number: AG322702-03 Exp Date: 08/15/2015

Tank Pressure: 144 psi Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:08
CHK	0.300	10:09
BLK	0.000	10:11
CHK	0.300	10:11
BLK	0.000	10:13
CHK	0.300	10:13

Test Status: *Success*

Calibration CRC: 7144F69E

mmB

msk

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010548

System Date: 12/04/2013

System Time: 10:37 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

mmb

nsk

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010548 Test Number: 292

Test Date: 12/04/2013 Test Time: 10:40 EST

Dry Gas Target: 0.100

Lot Number: 0651210013-01 Exp Date: 04/01/2014

Tank Pressure: 821 psi Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:40
CAL	0.100	10:41

Test Status: *Success*

Calibration CRC: D11EF1A3

mmB

mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010548 Test Number: 293

Test Date: 12/04/2013 Test Time: 10:45 EST

Technician Initials: MMB

Dry Gas Target: 0.250

Lot Number: 0651225015-02 Exp Date: 04/01/2014

Tank Pressure: 497 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:46
BLK	0.000	10:46
CHK	0.250	10:47
BLK	0.000	10:49
CHK	0.250	10:50
BLK	0.000	10:51
CHK	0.249	10:52
BLK	0.000	10:54

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

MMB

MMB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010548 Test Number: 294

Test Date: 12/04/2013 Test Time: 10:55 EST

Technician Initials: MMB

Dry Gas Target: 0.150

Lot Number: 0651215014-04 Exp Date: 04/01/2014

Tank Pressure: 1007 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:56
BLK	0.000	10:56
CHK	0.149	10:57
BLK	0.000	10:59
CHK	0.149	10:59
BLK	0.000	11:01
CHK	0.149	11:01
BLK	0.000	11:03

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

mmB

MMB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010548 Test Number: 295

Test Date: 12/04/2013 Test Time: 11:05 EST

Technician Initials: MMB

Dry Gas Target: 0.080

Lot Number: 0651208012-06 Exp Date: 04/01/2014

Tank Pressure: 75 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:05
BLK	0.000	11:06
CHK	0.080	11:07
BLK	0.000	11:08
CHK	0.081	11:09
BLK	0.000	11:10
CHK	0.080	11:11
BLK	0.000	11:12

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

mmB

NSH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010548 Test Number: 296

Test Date: 12/04/2013 Test Time: 11:14 EST

Technician Initials: MMB

Dry Gas Target: 0.020

Lot Number: 0651202011-07 Exp Date: 04/01/2014

Tank Pressure: 154 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:14
BLK	0.000	11:15
CHK	0.019	11:16
BLK	0.000	11:17
CHK	0.019	11:18
BLK	0.000	11:19
CHK	0.019	11:20
BLK	0.000	11:21

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

mmb

WJH

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010548 Test Number: 297

Test Date: 12/04/2013 Test Time: 11:24 EST

Dry Gas Target: 0.300

Lot Number: AG322702-03 Exp Date: 08/15/2015

Tank Pressure: 134 psi Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:24
CHK	0.302	11:25
BLK	0.000	11:27
CHK	0.301	11:28
BLK	0.000	11:30
CHK	0.301	11:30

Test Status: *Success*

Calibration CRC: D11EF1A3

mmB

msk

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010548 Test Number: 298

Test Date: 12/04/2013 Test Time: 11:41 EST

Dry Gas Target: 0.100

Lot Number: AG320502-26 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:42
CHK	0.100	11:43
BLK	0.000	11:45
CHK	0.100	11:45
BLK	0.000	11:47
CHK	0.100	11:47

Test Status: Success

Calibration CRC: D11EF1A3




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

mmb
pdk

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY BILLETER, MICHELLE, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 26417	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/04/2013
TEST EQUIPMENT NUMBER 010548		

RESULTS: TIME SAMPLE TAKEN 11:56 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 04 Dec 2013 at 14:10

mmB

WJH

Test Results

Instrument Serial Number 010548

Test # 000299 Subject Test

Test Location 1 Department of
Test Date 04 Dec 2013

Test Location 2 Forensic Science
Test Time 11:50
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name BILLETER
Agency DFS Central Lab
Card Serial Number 126417
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number
Driver's License State

Operator's First Name MICHELLE
Operator's Middle Initial M
License Number 26417
Effective Date 10/01/2012
Expiration Date 10/01/2014
Subject's First Name TEST
Subject's Date of Birth 00/00/0000
Subject's Sex Male
Driver's License Expiration 00/00/0000
Court Name DFS

End Date 04 Dec 2013 End Time 11:57

Result Time 11:56

Result Date 04 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:50

Data Type BLK

Sample Value 0.000

Sample Time 11:51

Data Type CHK

Sample Value 0.100

Sample Time 11:52

Data Type BLK

Sample Value 0.000

Sample Time 11:53

Data Type SUBJ

Sample Value 0.000

Sample Time 11:54

Data Type BLK

Sample Value 0.000

Sample Time 11:55

Data Type SUBJ

Sample Value 0.000

Sample Time 11:56

Data Type BLK

Sample Value 0.000

Sample Time 11:57

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG320502-26

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 759 mmHg

Blow Sample Number 1 Blow Duration 3.57 sec

Blow Volume 1692 cc End-of-Blow Time 11:54

Blow Sample Number 2 Blow Duration 3.85 sec

Blow Volume 1719 cc End-of-Blow Time 11:56

Tamper Evident Stamp de78a234

Test Status Code 0

Test Status Success